

C + D

R&S 034178

B5, LEONG

READY 2/27 14:37
-COPY "A23B" TO /LEONG/
NEW FILE

-BASIC

>LOAD/LEONG/

PROGRAM ID: MANDSD UPDATED: DEC 1, 1967

DO YOU WISH THE INSTRUCTIONS? 1 FOR YES, 2 FOR NO.
YOUR DECISION? 2

NOTE THAT STATEMENT NUMBERS 1 THRU 299 ARE AVAILABLE
FOR CONTINUATION OF THE DATA FIELD.

>1 DATA 11, 155, 159, 158, 141, 138, 114, 150, 124, 134, 127, 135,

INCOMPLETE 1

>1 DATA 11, 155, 159, 158, 141, 138, 114, 150, 124, 134, 127, 135

>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

SAMPLE VALUES:

155 159 158 141 138 114 150 124 134 127 135

SAMPLE STATISTICS

NUMBER OF VALUES = 11
 ARITHMETIC MEAN = 139.5454
 STANDARD DEVIATION = 14.06067
 SAMPLE VARIANCE = 197.7024

MAXIMUM LIKELIHOOD ESTIMATES OF POPULATION PARAMETERS:

ARITHMETIC MEAN = 139.5454
 STANDARD DEVIATION = 14.74695
 VARIANCE = 217.4727

>1 DATA 11, 1.28, 1.26, 1.68, 1.65, 1.22, 1.11

>1 DAR
 -BASIC

>LOAD/LEONG/

PROGRAM ID: MANDSD UPDATED: DEC 1, 1967

DO YOU WISH THE INSTRUCTIONS? 1 FOR YES, 2 FOR NO.
 YOUR DECISION? 2

NOTE THAT STATEMENT NUMBERS 1 THRU 299 ARE AVAILABLE
 FOR CONTINUATION OF THE DATA FIELD.

>1 DATA 11, 1.28, 1.26, 1.68, 1.65, 1.22, 1.14, 1.30, 1.19, 1.50,
 1.41, 1.18
 >RUN

ARITHMETIC MEAN, VARIANCE, AND
 STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

1.28 1.26 1.68 1.65 1.22 1.14 1.30 1.19
 1.5 1.41 1.18

SAMPLE STATISTICS

NUMBER OF VALUES = 11
 ARITHMETIC MEAN = 1.346363
 STANDARD DEVIATION = .1798622
 SAMPLE VARIANCE = .323504E-01

MAXIMUM LIKELIHOOD ESTIMATES OF POPULATION PARAMETERS:

ARITHMETIC MEAN = 1.346363

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ARITHMETIC MEAN = .590909
STANDARD DEVIATION = .496899E-01
VARIANCE = .246909E-02

1 DATA 11, 0.41, 0.40, 0.42, 0.45, 0.43, 0.44, 0.39, 0.44, 0.39,
0.47, 0.44

&A ILLEGAL 1

>1 DATA 11, 0.41, 0.40, 0.42, 0.45, 0.43, 0.44, 0.39, 0.44.

>1 DATA 11, 0.41, 0.40, 0.42, 0.45, 0.43, 0.44, 0.39, 0.44, 0.39,
0.47, 0.44

>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

.41 .4 .42 .45 .43 .44 .39 .44 .39 .47 .44

SAMPLE STATISTICS

NUMBER OF VALUES = 11

ARITHMETIC MEAN = .4254545

STANDARD DEVIATION = .246294E-01

SAMPLE VARIANCE = .606611E-03

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = .4254545

STANDARD DEVIATION = .258316E-01

VARIANCE = .066727E-02

>1 DATA 11, 4.76, 5.00, 5.09, 4.19, 4.18, 4.07, 4.82, 4.32, 4.17,
4.38, 4.12

>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

4.76 5 5.09 4.19 4.18 4.07 4.82 4.32
4.17 4.38 4.12

SAMPLE STATISTICS

NUMBER OF VALUES = 11

ARITHMETIC MEAN = 4.463636

STANDARD DEVIATION = .3614433

SAMPLE VARIANCE = .1306413

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ARITHMETIC MEAN = 4.463636
STANDARD DEVIATION = .379085
VARIANCE = .1437054

//>1 DATA 11, 3.07, 3.14, 3.22, 2.97, 3.03, 3.57, 3.21, 3.48, 3.11,
3.45, 3.05
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

3.07	3.14	3.22	2.97	3.03	3.57	3.21	3.48
3.11	3.45	3.05					

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = 3.20909
STANDARD DEVIATION = .1931299
SAMPLE VARIANCE = .372991E-01

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = 3.20909
STANDARD DEVIATION = .2025563
VARIANCE = .41029E-01

>1 DATA 11, 1.15, 1.16, 1.25, 1.17, 1.18, 1.00, 1.20, 1.13, 1.17,
1.29, 1.20
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

1.15	1.16	1.25	1.17	1.18	1	1.2	1.13
1.17	1.29	1.2					

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = 1.172727
STANDARD DEVIATION = .0698167
SAMPLE VARIANCE = .487438E-02

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

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STANDARD DEVIATION = .0732244
VARIANCE = .536181E-02

>1 DATA 11, 0.74, 0.73, 0.79, 0.83, 0.86, 0.88, 0.80, 0.91, 0.87,
1.02, 0.89
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

.74 .73 .79 .83 .86 .88 .8 .91 .87 1.02 .89

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = .8472727
STANDARD DEVIATION = .0788659
SAMPLE VARIANCE = .621983E-02

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = .8472727
STANDARD DEVIATION = .0827152
VARIANCE = .068418E-01

>1 DATA 11, 0.38, 0.45, 0.40, 0.30, 0.36, 0.58, 0.67, 0.40, 0.40,
0.52, 0.57
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

.38 .45 .4 .3 .36 .58 .67 .4 .4 .52 .57

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = .4572727
STANDARD DEVIATION = .1074574
SAMPLE VARIANCE = .115471E-01

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = .4572727

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//>1 DATA 11, 0.25, 0.28, 0.25, 0.21, 0.26, 0.51, 0.45, 0.32, 0.30,
0.41, 0.42
R>UN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

.25 .28 .25 .21 .26 .51 .45 .32 .3 .41 .42

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = .3327272
STANDARD DEVIATION = .0938171
SAMPLE VARIANCE = .088016E-01

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = .3327272
STANDARD DEVIATION = .0983962
VARIANCE = .096818E-01

>1 DATA 11, 165, 160, 171, 159, 175, 182, 176, 147, 128, 131, 134
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

165 160 171 159 175 182 176 147 128 131 134

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = 157.0909
STANDARD DEVIATION = 18.41172
SAMPLE VARIANCE = 338.9917

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = 157.0909
STANDARD DEVIATION = 19.31038
VARIANCE = 372.8909

>1 DATA 11, 1.31, 1.92, 1.42, 1.00, 1.13, 1.35, 1.48, 1.02, 1.00,
1.05, 1.50
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

1.31	1.92	1.42	1	1.13	1.35	1.48	1.02
1	1.05	1.5					

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = 1.28909
STANDARD DEVIATION = .2734112
SAMPLE VARIANCE = .0747537

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = 1.28909
STANDARD DEVIATION = .2867561
VARIANCE = .082229

//>1 DATA 11, 0.79, 1.20, 0.83, 0.63, 0.65, 0.74, 0.84, 0.69, 0.78,
0.80, 1.12
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

.79	1.2	.83	.63	.65	.74	.84	.69	.78	.8	1.12
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SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = .8245454
STANDARD DEVIATION = .1721185
SAMPLE VARIANCE = .296247E-01

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = .8245454
STANDARD DEVIATION = .1805194
VARIANCE = .325872E-01

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>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

.7 .61 .68 .69 .7 1 .7 .67 .5 .58 .54

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = .67
STANDARD DEVIATION = .1241699
SAMPLE VARIANCE = .154181E-01

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = .67
STANDARD DEVIATION = .1302305
VARIANCE = .1696E-01

>1 DATA 11, 0.42, 0.38, 0.40, 0.43, 0.40, 0.55, 0.40, 0.46, 0.39,
0.44, 0.40
>RUN

ARITHMETIC MEAN, VARIANCE, AND
STANDARD DEVIATION

INDIVIDUAL SET NUMBER 1

SAMPLE VALUES:

.42 .38 .4 .43 .4 .55 .4 .46 .39 .44 .4

SAMPLE STATISTICS

NUMBER OF VALUES = 11
ARITHMETIC MEAN = .4245454
STANDARD DEVIATION = .455997E-01
SAMPLE VARIANCE = .207933E-02

MAXIMUM LIKELIHOOD ESTIMATES
OF POPULATION PARAMETERS:

ARITHMETIC MEAN = .4245454
STANDARD DEVIATION = .478254E-01
VARIANCE = .228727E-02

>1 DATA 11, 5.93, 6.55, 6.64, 6.50, 6.35, 7.34, 7.11, 5.70, 4.68,
5.42, 5.20

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